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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known
10/789,353-Conf. #9688
February 26, 2004
Arthur M. Krieg
1645
N. Archie
C1039.70083US07

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
/NA/		6,030,954*		Wu et al.			
/NA/		6,620,805*		Takle et al.			

		FOREIC	SN PATENT (OCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T°
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Cite No.'		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		BENNETT, C. F., 1995, "Intracellular Delivery of Oligonucleotides with Cationic Liposomes," Delivery Strategies for Antisense Oligonucleotide Therapeutics, Akthar, Ed.: 223-32**	
		KRIEG, A., 2007, "Antiinfective Applications of Toll-like Receptor 9 Agonists," Proc Am Thorac Soc Vol. 4: 289-294**	
		Patent Interference No. 105,526. Krieg Substantive Motion 1 (for unpatentability based on interference estoppel). (Electronically filed, unsigned). **	
		Patent Interference No. 105,526 Krieg Substantive Motion 2 (for judgment based on inadequate written description and/or enablement). (Electronically filed, unsigned). June 18, 2007. **	
		Patent Interference No. 105,526. Krieg Contingent Responsive Motion (to add new claims 104 and 105). (Electronically filed, unsigned). July 25, 2007. **	
		Patent Interference No. 105,526. Krieg Substantive Motion 3 (for judgment based on prior art). (Electronically filed, unsigned). June 18, 2007. **	
		Patent Interference No. 105,526. Raz Motion 1 (Unpatentability of Krieg Claims under 35 U.S.C. § 112, First Paragraph). (Electronically filed, unsigned). June 18, 2007. **	
		Patent Interference No. 105,526. Raz Motion 2 (Raising a Threshold Issue of No Interference-in-Fact). (Electronically filed, unsigned). June 18, 2007.	
		Patent Interference No. 105,526 Raz Motion 3 (Krieg's Claims are Unpatentable Over Prior Art Under 35 U.S.C. § 102(b)) (Electronically filed, unsigned). June 18, 2007. **	
		Patent Interference No. 105,526. Raz Motion 4 (To Designate Krieg Claims 46 and 82-84 as Corresponding to Count 1). (Electronically filed, unsigned). June 18, 2007. **	
		Patent Interference No. 105,526. Raz Responsive Miscellaneous Motion 5 (To revive the Raz Parent Application) (Electronically filed, unsigned) July 25, 2007. **	
V		Patent Interference No. 105,526. Raz Contingent Responsive Motion 6 (To Add a New Claim 58) (Electronically filed, unsigned) July 25, 2007.	

Examiner Signature	ININA Archiel	Date Considered	12/21/2007

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	FORMATION DISCLOSURE FATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/789,353-Conf. #9688	
IN.	IFORMATION	I DIS	SCLOSURE	Filing Date	February 26, 2004
S	TATEMENT E	BY A	PPLICANT	First Named Inventor	Arthur M. Krieg
				Art Unit	1645
	(Use as many sh	eets as	necessary)	Examiner Name	N. Archie
Sheet	2	of	2	Attorney Docket Number	C1039.70083US07

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Patent Interference No. 105,526. Krieg Opposition 1 (Opposition to Motion for Lack of Enablement and Written Description) (Electronically filed, unsigned) September 10, 2007.	
		Patent Interference No. 105,526. Krieg Opposition 2 (to Raz Motion 2) (Electronically filed, unsigned) September 10, 2007. **	
		Patent Interference No. 105,526. Krieg Opposition 3 (To Raz Motion 3) (Electronically filed, unsiged) September 10, 2007. **	
		Patent Interference No. 105,526. Krieg Opposition 4 (Opposition to Motion for Designating Claims 46 and 82-84 as Corresponding to the Court) (Electronically filed, unsigned) September 10, 2007. **	
		Patent Interference No. 105,526. Raz Opposition 1 (Opposing Krieg Substantive Motion 1) (Electronically filed, unsigned) September 10, 2007. **	
		Patent Interference No. 105,526. Raz Opposition 2 (Opposing Krieg Substantive Motion 2) (Electronically filed, unsigned) September 10, 2007. **	
		Patent Interference No. 105,526. Raz Opposition 4 (Opposing Krieg Contingent Responsive Motion to Add New Claims 104 and 105) (Electronically filed, unsigned) September 10, 2007.	
		PRESS RELEASE, January 2007, "Coley Pharmaceutical Group Updates Hepatitis C Drug Development Strategy". **	
		PRESS RELEASE, June 2007, "Coley Pharmaceutical Group Announces Pfizer's Discontinuation of Clinical Trials for PF-3512676 Combined with Cytotoxic Chemotherapy in Advanced Non Small Cell Lung Cancer". **	
\bigvee		YAMAMOTO et al., 1994, "Lipofection of Synthetic Oligodeoxyribonucleotide Having a Palindromic Sequence of AACGTT to Murine Splenocytes Enhances Interferon Production and Natural Killer Activity," Microbiol. Immunol. 38(10): 831-836. **	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	/Nina Archie/	Date	
Signature	771110 7 11071107	Considered	12/21/2007

^{*}A copy of this reference is not provided as the Office has waived the requirement under 37 C.F.R. 1.98(a)(2)(iii) for submitting a copy of a cited U.S. patent application if it is scanned to the image File Wrapper system and is available on Private PAIR.

^{**} A copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No.10/690,495, filed October 21, 2003, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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	MATION			FILING I	DATE: February 26, 2004	CONFIRMAT	ΓΙΟΝ NO.: 9688
_	EMENT B			APPLICA	ANT: Krieg et al.		
Sheet	1	of	1	GROUP.	ART UNIT: 1645	EXAMINER:	N. Archie
				U.S. 1	PATENT DOCUMENTS		
	G'tt	U.S. I	Patent Docume	ent	N		Date of Publication or Issue

Examiner's Initials #	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or Issue	
	No.	Number	Kind Code	Document	of Cited Document MM-DD-YYYY	
/NA/		2007-0224210	A1	Krieg et al.	09-27-2007	
/NA/		2007-0232622	Al	Lipford et al.	10-04-2007	

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite	Fore	ign Patent Docu	nent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
	No.	Office/ Country	Number	Kind Code	Document	Cited Document MM-DD-YYYY	ent (Y/N)

OTHER ART - NON PATENT LITERATURE DOCUMENTS

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Examiner's Initials #	No (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
/NA/		Patent Interference No. 105,526. Krieg Opposition 6 (Opposition to Raz Contingent Responsive				
MAN		Motion 6) (Electronically filed, unsigned) September 10, 2007.				
1	*	Patent Interference No. 105,526. Krieg Reply 1 (Reply to Raz opposition 1) October 5, 2007				
	*	Patent Interference No. 105,526. Krieg Reply 2 (Reply to Raz opposition 2) October 5, 2007				
	*	Patent Interference No. 105,526. Krieg Reply 4 (Reply to Raz opposition 4) October 5, 2007				
	*	Patent Interference No. 105,526. Raz Reply 1 (Reply to Krieg opposition 1) October 5, 2007				
	1.	Patent Interference No. 105,526. Raz Reply 2 (Reply to Krieg opposition 2) October 5, 2007				
	+	Patent Interference No. 105,526. Raz Reply 3 (Reply to Krieg opposition 3) October 5, 2007				
	*	Patent Interference No. 105,526. Raz Reply 4 (Reply to Krieg opposition 4) October 5, 2007				
$\overline{}$	+	Patent Interference No. 105,526. Raz Reply 6 (Reply to Krieg opposition 6) October 5, 2007				

a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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APR 0 2 2007

APPLICATION NO.: 10/789,353 ATTY. DOCKET NO.: C1039.70083US07

FILING DATE: February 26, 2004 CONFIRMATION NO.: 9688

APPLICANT: Krieg et al.

GROUP ART UNIT: 1645 EXAMINER: Nina Archie

13

of

Sheet

Examiner's	Cite	U.S. Patent Docu		Name of Patentee or Applicant of Cited	Date of Publication or Issue
Initials #	No.	Number	Kind Code	Document	of Cited Document MM-DD-YYYY
/NA/		5,457,189		Crooke et al.	10-10-1995
		5,475,096		Gold et al.	12-12-1995
		5,514,577		Draper et al.	05-07-1996
		5,514,788		Bennett et al.	05-07-1996
		5,527,899		Froehler	06-18-1996
		5,576,208		Monia et al.	11-19-1996
		5,582,986		Monia et al.	12-10-1996
		5,587,361	-	Cook et al.	12-24-1996
	 	5,594,122		Friesen	01-14-1997
	 	5,670,637		Gold et al.	09-23-1997
	 	5,696,249		Gold et al.	12-09-1997
	<u> </u>	5,843,653		Gold et al.	12-01-1998
		5,877,309		McKay et al.	03-02-1999
		5,929,226		Padmapriya et al.	07-27-1999
		5,965,542		Wasan et al.	10-12-1999
	1	5,976,567		Wheeler et al.	11-02-1999
		5,977,340		Pirotzky et al.	11-02-1999
		5,981,501		Wheeler et al.	11-09-199\$2/21/2007
		6,027,726		Ansell	02-22-2000
		6,030,954		Wu et al.	02-29-2000
		6,110,745		Zhang et al.	08-29-2000
		6,221,882		Macfarlane	04-24-2001
		6,339,630		Macfarlane	06-04-2002
		6,348,312	Bl	Peyman et al.	02-19-2002 .
	<u> </u>	6,479,504	B1	Macfarlane et al.	11-12-2002
	ļ	6,521,637	B2	Macfarlane	02-18-2003
		6,620,805	BI	Takle et al.	09-16-2003
		6,630,455	BI	Mitchell	10-07-2003
		6,693,086	B1	Dow et al.	02-17-2004
		6,727,230	B1	Hutcherson et al.	04-27-2004
<u></u>		6,821,957	Bl	Krieg et al.	11-23-2004

EXAMINER:	/Nina Archie/	DATE CONSIDERED: 12/21/2007

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RM PTO-14	149/A and B (1	modified PT	O/SB/08)	APPLI	CATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07	
·				FILING	DATE: February 26, 2004	CONFIRMATION NO.: 9688	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			APPLI	APPLICANT: Krieg et al.			
heet	2	of	13	GROU	P ART UNIT: 1645	EXAMINER: Nina Archie	
		,,,,		_1			
/NA/	6,8	35,395		Bl	Semple et al.	12-28-2004	
	6,9	43,240		B2	Bauer et al.	09-13-2005	
	6,9	49,520		Bl	Hartmann et al.	09-27-2005	
	6,9	77,245		B2	Klinman et al.	12-20-2005	
	7,0	001,890		Bl	Wagner et al.	02-26-2006	
		29,222		B2	Van Nest et al.	10-31-2006	
		01-002177		Al	Uhlmann et al.	09-13-2001	
		02-008683		A1	Raz et al.	07-04-2002	
		02-009109		A1	Bratzler et al.	07-11-2002	
		02-014297		Al	Raz et al.	10-03-2002 11-07-2002	
		02-016434		Al	Davis et al.	02-06-2003	
		03-002680		Al	Weiner et al.	03-13-2003	
		03-005026		Al	Krieg et al.	03-13-2003	
		03-005026		Al	Krieg et al. Dina et al.	04-03-2003	
		03-006406		Al	Davis et al.	05-15-2003	
		03-009159		Al	Krieg et al.	05-29-2003	
		03-010052 03-013936		Al	Krieg et al.	07-24-2003	
-		03-013930		Al	Raz et al.	08-07-2003	
		03-014787		Al	Lipford et al.	08-07-2003	
		03-014897		Al	Krieg et al.	08-07-2003	
1		03-014057		Al	Schetter et al.	09-25-2003	
		03-019107		Al	Krieg et al.	10-09-2003	
		03-020386		Al	Carson et al.	10-30-2003	
		03-021202		Al	Krieg et al.	11-13-2003	
		03-022401		Al	Davis et al.	12-04-2003	
		03-023207		Al	Lipford et al.	12-18-2003	
<u> </u>	20	03-023278	30	Al	Carson et al.	12-18-2003	
	20	03-023285	6	Al	Macfarlane	12-18-2003	
	20	04-000601	0	Al	Carson et al.	01-08-2004	
	20	04-000603	4	Al	Raz et al.	01-08-2004	
	20	04-000994	9	A1	Krieg	01-15-2004	
	20	04-003011	8	Al	Wagner et al.	02-12-2004	
	20	04-005388	30	Al	Krieg	03-18-2004	
	20	04-006790)2	A9	Bratzler et al.	04-08-2004	
	20	04-006790)5	Al	Krieg	04-08-2004	
V	20	04-008753	34	Al	Krieg et al.	05-06-2004	

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ORM PTO-144	9/A and B (modified PTO/SB/08)	APPL	CATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07
	ATION DISCLOSURE	FILIN	G DATE: February 26, 2004	CONFIRMATION NO.: 9688
STATEMENT BY APPLICANT		APPL	CANT: Krieg et al.	
Sheet	3 of 13	GROU	IP ART UNIT: 1645	EXAMINER: Nina Archie
/NA/	2004-0087538	A1	Krieg et al.	05-06-2004
INAV	2004-0087338	Al	Schwartz et al.	05-13-2004
	2004-0092472	Al	Krieg	05-13-2004
	2004-0106568	Al	Krieg et al.	06-03-2004
	2004-0131628	Al	Bratzler et al.	07-08-2004
	2004-0131628	Al	Krieg et al.	07-08-2004
	2004-0132083	Al	Krieg et al.	07-22-2004
	2004-0143112	Al	Krieg et al.	07-22-2004
	2004-0147468	Al	Krieg et al.	07-29-2004
	2004-0152649	Al	Krieg	08-05-2004
	2004-0152656	Al	Krieg et al.	08-05-2004
	2004-0152657	.A1	Krieg et al.	08-05-2004
	2004-0157791	Al	Dow et al.	08-12-2004
	2004-0137791	Al	Krieg et al.	08-19-2004
	2004-0162258	Al	Krieg et al.	08-19-2004
	2004-0167089	Al	Krieg et al.	08-26-2004
	2004-0107089	Al	Krieg et al.	09-02-2004
	2004-0171130	Al	Krieg et al.	09-02-2004
	2004-0171371	Al	Krieg et al.	09-16-2004
	2004-0181043	Al	Krieg	10-07-2004
	2004-0198688	Al	Krieg et al.	10-07-2004
	2004-0198888	Al	Krieg et al.	11-18-2004
-	2004-0234512	Al	Wagner et al.	11-25-2004
	2004-0235770	Al	Davis et al.	11-25-2004
	2004-0235774	Al	Bratzler et al.	11-25-2004
	2004-0235777	Al	Wagner et al.	11-25-2004
	2004-0235777	Al	Wagner et al.	11-25-2004
	2004-0233778	Al	Dow et al.	12-09-2004
	2004-0247002	Al	McCluskie et al.	12-30-2004
	2004-0266719	Al	Krieg et al.	01-06-2005
	2005-0004062	Al	Krieg et al.	01-06-2005
		Al	Krieg et al.	01-13-2005
	2005-0009774	Al	Dow et al.	01-20-2005
	2005-0013812	Al	Davis et al.	02-10-2005
	2005-0032734	Al	Krieg et al.	02-10-2005
	2005-0032736			02-17-2005
-\/-				
EXAMINER:	2005-0037403 2005-0037985 /Nina Archie/	A1 A1	Krieg et al. Krieg et al. DATE CONSIDER	02-17-2005

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ORM PTO-1449/A and B (modified PTO/SB/08)			D/SB/08)	APPLI	CATION NO.	: 10/789,353	ATTY. DOC	ATTY. DOCKET NO.: C1039.70083US07		
	·			FILING DATE: February 26, 2004 CONFIRMA			ATION NO.: 9688			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Krieg et al.								
Sheet	4	of	13	GROU	IP ART UNIT	: 1645	EXAMINER	: Nina Archie		
	[200	5-0043529		Al	Davis et	nl nl		02-24-2005		
/NA/		5-0043329 5-0049215		Al	Krieg et			03-03-2005		
		5-0049213 5-0049216		Al	Krieg et			03-03-2005		
		5-0049210		Al	Wagner			03-10-2005		
·		5-0054602		Al	Krieg et			03-10-2005		
		5-0054602 5-0059619		Al	Krieg et		-	03-17-2005		
-		5-0059615 5-0059625		Al	Krieg et			03-17-2005		
		5-0079023		Al	Krieg et			03-31-2005		
		5-0075302		Al	Hutcher			04-07-2005		
		5-0100983		Al	Bauer et			05-12-2005		
	4	5-0100565		Al	Krieg et			05-12-2005		
		5-0101557		Al	Krieg et			05-12-2005		
		5-0119273		Al	Lipford			06-02-2005		
		5-0123523		Al	Krieg et			06-09-2005		
	- 	5-013091		Al	Uhlman			06-16-2005		
		5-014853		Al	Krieg et			07-07-2005		
		5-016988		Al	Hartmar			08-04-2005		
		5-017104		Al	Krieg et	al.		08-04-2005		
		5-018103:		Al	Dow et			08-18-2005		
		5-018142		Al	Bauer et	al.		08-18-2005		
		5-018201		A1	Krieg			08-18-2005		
		5-019731		A1	Krieg et	al.		09-08-2005		
	200	5-020918	1	Al	Klinmar	n et al.		09-22-2005		
		5-021435		Al	Klinmar	n et al.		09-29-2005		
		5-021550		Al	Krieg et	al.	-	09-29-2005		
		5-021550		Al	Lipford	et al.		09-29-2005		
	200	5-023399	5	A1	Krieg et	al.		10-20-2005		
	200	5-023399	9	Al	Krieg et	al.		10-20-2005		
	200	5-023973	2	Al	Krieg et	al.		10-27-2005		
	200	5-023973	3	Al	Jurk et a	al.		10-27-2005		
	200	5-023973	4	Al	Uhlman	n et al.		10-27-2005		
	200	5-023973	5	A1	Krieg et	al.		10-27-2005		
	200	5-024547	7	Al	Krieg et	al.		11-03-2005		
	200	5-024437	9	Al	Krieg et	al.		11-03-2005		
	200	5-024438	0	Al	Krieg et	al.		11-03-2005		
, ,	200	5-024979	4	Al	Semple	et al.		11-10-2005		
V	200	5-025072	6	Al	Krieg et	al.		11-10-2005		
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ATTY. DOCKET NO.: C1039.70083US07 APPLICATION NO.: 10/789,353 FORM PTO-1449/A and B (modified PTO/SB/08) CONFIRMATION NO.: 9688 FILING DATE: February 26, 2004 INFORMATION DISCLOSURE APPLICANT: Krieg et al. STATEMENT BY APPLICANT EXAMINER: Nina Archie GROUP ART UNIT: 1645 13 5 of Sheet 11-17-2005 /NA/ 2005-0256073 A1 Lipford et al. 12-01-2005 A1 Krieg 2005-0267057 12-01-2005 Αl Krieg et al. 2005-0267064 12-15-2005 Krieg et al. A1 2005-0277604 12-15-2005 Krieg et al. Αl 2005-0277609 Αl Krieg et al. 01-05-2006 2006-0003955 01-05-2006 Ahluwalia et al. 2006-0003962 Al 01-26-2006 Al Krieg et al. 2006-0019916 01-26-2006 Αl Davis et al. 2006-0019923 03-16-2006 Αl Krieg et al. 2006-0058251 03-16-2006 Dina et al. A1 2006-0058254 04-27-2006 Krieg et al. Αl 2006-0089326 05-04-2006 Krieg et al. Αl 2006-0094683 06-29-2006 A1 Krieg et al. 2006-0140875 07-13-2006 **A**1 Bratzler et al. 2006-0154890 08-03-2006 Lipford et al. Al 2006-0172966 08-24-2006 A1 Krieg et al. 2006-0188913 08-24-2006 Αl Jiang et al. 2006-0189550 09-21-2006 Bratzler et al. Al 2006-0211639 09-21-2006 Krieg et al. Αl 2006-0211644 10-05-2006 Dow et al. 2006-0223769 Al 10-12-2006 A1 Krieg et al. 2006-0229271 10-26-2006 A1 Uhlmann et al. 2006-0241076 11-02-2006 Ahluwalia et al. Αl 2006-0246035 11-09-2006 Bachmann et al. Al 2006-0251623 11-09-2006 Bachmann et al. Al 2006-0251677 12-21-2006 Hartmann et al. Αl 2006-0286070 12-21-2006 Davis et al. Αl 2006-0287263 01-11-2007 2007-0009482 Αl Krieg et al. 01-11-2007 Αl Krieg et al. 2007-0010470 02-15-2007 Bratzler et al. 2007-0037767 Αl

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited	Date of Publication of	Translation
		Office/ Country	Number	Kind Code	Document	Cited Document MM-DD-YYYY	(Y/N)
/NA/	*	EP	0 092 574	Al	Molecular Biosystems, Inc.	04-28-1983	

EXAMINER: /Nina Archie/ DATE CONSIDERED: 12/21/2007

EXAMINER: Initial if reference considered, whether or noticitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ORM PTO 1	1 <i>44</i> 0/4 an	d B (modifie	d PTO/SB/08)	APPLIC	ATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.	70083US07	
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Sheet	. 6	of	13	GROUP	ART UNIT: 1645	EXAMINER: Nina Archie		
			<u> </u>					
	•	EP	1 393 745	Al	Hybridon, Inc.	03-03-2004		
	*	wo	96/40162	Al .	East Carolina University	12-19-1996		
·	<u> </u>	<u> </u>	L		<u> </u>			
					PATENT LITERATURE DOC			
Examiner's	Cite	Include r	name of the author	or (in CAPIT	AL LETTERS), title of the article (when appropriate), title of the item	Translation	
nitials #	No	(book, m	agazine, journal,			volume-issue number(s), publisher,	(Y/N)	
	<u> </u>	D. A. d	V 1 4 17 A 41		y and/or country where published.			
/NA/	<u> </u>				s Bulletin. 5(6), 1992.			
	ļ				IOLABS Catalog. 1988-1989.	Cilination		
					es, biodistribution, and stability			
	ļ				tl Acad Sci U S A. 1991 Sep 1;8 es of antisense oligonucleotides.			
	*	1	•	nacokinetic	es of antisense offgonucleotides.	Cini Filannacokinet. 1993		
	 	Jan;28(1)	Isoforms of the	e ED3 subt	pe of human prostaglandin E2	recentor transduce both	 	
	1	intracellu	, isoloillis of the lar calcium and	CAMP sign				
	 			and cAMP signals. Biochemistry. 1994 Dec 6;33(48):14496-502. elective inhibition of cyclooxygenase (COX)-2 reverses inflammation and				
					n 6 in rat adjuvant arthritis. J Cl			
		1;97(11):						
	*	ANITES	CU et al., Interl	eukin-10 fu	nctions in vitro and in vivo to in	nhibit bacterial DNA-induced		
	•	secretion	of interleukin-	2. J Interfe	ron Cytokine Res. 1997 Dec;17	(12):781-8.		
		BALLAS	et al., Inductio	n of NK ac				
		oligodeox	kynucleotides a	nd bacterial DNA. J Immunol. 1996 Sep 1;157(5):1840-5.				
		BAYEVE	ER et al., Syster	nic adminis	stration of a phosphorothioate o	ligonucleotide with a sequence		
		complem	entary to p53 for	or acute my	elogenous leukemia and myelog	lysplastic syndrome: initial		
		results of	a phase I trial.	Antisense I	Res Dev. 1993 Winter;3(4):383-	·90.		
1					partet motifs confer nuclease res	istance to a potent anti-HIV		
	-	Oligonuci	COCK et al. E.	nem. 1990	Mar 8;271(10):5698-703. fan orally administered vaccine	using hydrogels containing		
	+	bacterial	SUCK et al., Ev	vatuation of	nemolytica, in cattle. Am J Vet	Res 1994 Apr: 55(4): 502-9.		
	 	BRAND	A et al Amplif	ication of a	ntibody production by phospho	rothioate oligodeoxynucleotides.	†	
			n Med. 1996 Se					
	 				tive activity of c-myb and c-my	c antisense oligonucleotides in		
	1	smooth m	nuscle cells is c	aused by a	nonantisense mechanism. Proc	Natl Acad Sci U S A. 1995 Apr		
]	25;92(9):	4051 - 5.				ļ <u>.</u>	
	*				ced NK cell IFN-gamma produc			
		macropha	age secretion of	IL-12. Clii	Immunol Immunopathol. 1997	7 Aug;84(2):185-93.		
		CHANG	et al., The effect	ct of CpG-o	oligodeoxynucleotides with diffe	erent backbone structures and 3'		
	1		с аеохугюодия . 2004;113(2):S			asthma in mice. J Allergy Clin		
					of triple-stranded oligonucleoti	de complexes: use of probes	1 1 3 5 5 5	
					er and stereo-uniform cationic p			
			Acids Res. 1996				12/21/2	
				-		spects. Tohoku J Exp Med. 1992	1	
V	*	Oct;168(2						
XAMINER:					DATE CONSIDERE	D:		

12/21/2007

/Nina Archie/

EXAMINER: Initial if reference considered, whether or notitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, nelude copy of this form with next communication to Applicant.

EODA PTO 1	440/A I D	(4:6: - 4 D	TO/SD/09)	APPLICATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07 CONFIRMATION NO.: 9688		
FORM PTO-1		•	•	FILING DATE: February 26, 2004			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT: Krieg et al.	APPLICANT: Krieg et al.		
				GROUP ART UNIT: 1645	EXAMINER: Nina Archie		
Sheet	7	of	13				

	γ	Location and the Company of the Comp	
/NA/		CONSTANT et al., Stimulation of human gamma delta T cells by nonpeptidic mycobacterial	
	4	ligands. Science. 1994 Apr 8;264(5156):267-70.	
4		COSSUM et al., Pharmacokinetics of a 14C-labeled phosphorothioate oligonucleotide, ISIS 2105,	•
	 	after intradermal administration to rats. J Pharmacol Exp Ther. 1994 Apr;269(1):89-94.	
	*	COWDERY et al., Bacterial DNA induces NK cells to produce IFN-gamma in vivo and increases	
		the toxicity of lipopolysaccharides. J Immunol. 1996 Jun 15;156(12):4570-5.	
		COWSERT et al., In vitro evaluation of phosphorothicate oligonucleotides targeted to the E2	
1		mRNA of papillomavirus: potential treatment for genital warts. Antimicrob Agents Chemother.	
		1993 Feb;37(2):171-7.	
	*	CROOKE et al., Phosphorothioate Oligonucleotides. Therapeut Apps. 1995;ch5:63-84.	
		CROOKE et al., Progress in antisense oligonucleotide therapeutics. Annu Rev Pharmacol Toxicol.	
	.1	1996;36:107-29.	
		CRYZ et al., European Commission COST/STD Initiative. Report of the expert panel VII. Vaccine	
		delivery systems. Vaccine. 1996 May;14(7):665-90.	
		ELDRIDGE et al., Biodegradable microspheres as a vaccine delivery system. Mol Immunol. 1991	
	1	Mar;28(3):287-94. Abstract Only.	
		GALLICHAN et al., Specific secretory immune responses in the female genital tract following	
1	*	intranasal immunization with a recombinant adenovirus expressing glycoprotein B of herpes	
	1	simplex virus. Vaccine. 1995 Nov;13(16):1589-95.	
		GEWIRTZ et al., G1/S transition in normal human T-lymphocytes requires the nuclear protein	
	1	encoded by c-myb. Science. 1989 Jul 14;245(4914):180-3.	
	*	GREGORIADIS et al., Liposomes for drugs and vaccines. Trends Biotechnol. 1985;3:235-41.	
	1.	GREGORIADIS et al., Engineering liposomes for drug delivery: progress and problems. Trends	
	*	Biotechnol. 1995 Dec;13(12):527-37.	
	*	HALPERN et al., Bacterial DNA induces murine interferon-gamma production by stimulation of	
	1	interleukin-12 and tumor necrosis factor-alpha. Cell Immunol. 1996 Jan 10;167(1):72-8.	
	1	HANEBERG et al., Induction of specific immunoglobulin A in the small intestine, colon-rectum,	
	*	and vagina measured by a new method for collection of secretions from local mucosal surfaces.	
		Infect Immun. 1994 Jan;62(1):15-23.	
		HARTMANN et al., Specific suppression of human tumor necrosis factor-alpha synthesis by	
		antisense oligodeoxynucleotides. Antisense Nucleic Acid Drug Dev. 1996 Winter;6(4):291-9.	
-	1	HUDSON et al., Nucleic acid dendrimers: Novel biopolymer structures. J Am Chem Soc.	
	*	1993;115:2119-24.	
		HUGHES et al., Influence of base composition on membrane binding and cellular uptake of 10-mer	
		phosphorothioate oligonucleotides in Chinese hamster ovary (CHRC5) cells. Antisense Res Dev.	
		1994 Fall;4(3):211-5.	
	1	IVERSEN et al., In vivo studies with phosphorothioate oligonucleotides: pharmacokinetics	
	*	prologue. Anticancer Drug Des. 1991 Dec;6(6):531-8.	
1	 	IVERSEN et al., Pharmacokinetics of an antisense phosphorothioate oligodeoxynucleotide against	
		rev from human immunodeficiency virus type 1 in the adult male rat following single injections and	
i		continuous infusion. Antisense Res Dev. 1994 Spring;4(1):43-52.	
17	+	JÄSCHKE et al., Automated incorporation of polyethylane glycol into synthetic oligonucleotides.	
V	*	Tetrahedron Lett. 1993;34(2):301-4.	

EXAMINER:		DATE CONSIDERED:
/Nina Archie/	12/21/2007	

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		and B (modified PTO/SB/08)	APPLICATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083U	JS07
			FILING DATE: February 26, 2004	CONFIRMATION NO.: 9688	
		ION DISCLOSURE T BY APPLICANT	APPLICANT: Krieg et al.		
Sheet	8	of 13	GROUP ART UNIT: 1645	EXAMINER: Nina Archie	
/NA/	*	KATAOKA et al., Imm acid from Mycobacteri Jpn J Med Sci Biol. 19	nunotherapeutic potential in guinea-pig tum um bovis BCG complexed with poly-L-lysi 90 Oct;43(5):171-82.	or model of deoxyribonucleic ne and carboxymethylcellulose.	
	*	KLINMAN et al., CpG interleukin 6, interleuk 2;93(7):2879-83.	motifs present in bacteria DNA rapidly inc in 12, and interferon gamma. Proc Natl Aca	d Sci U S A. 1996 Apr	
	* KRIEG et al., Lymphocyte activation mediated by oligodeoxynucleotides or DNA containing novel un-methylated CpG motifs. American College of Rheumatology 58 th National Scientific Meeting. Minneapolis, Minnesota, October 22, 1994. Abstracts. Arthritis Rheum. 1994 Sep;37(9 Suppl).				
	*	Dev. 1995 Winter;5(4)			
	7	KRIEG CpG DNA: a	pathogenic factor in systemic lupus erythen	natosus? J Clin Immunol. 1995	

/NA/	*	acid from Mycobacterium bovis BCG complexed with poly-L-lysine and carboxymethylcellulose. Jpn J Med Sci Biol. 1990 Oct;43(5):171-82.	
	*	KLINMAN et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2879-83.	
	*	KRIEG et al., Lymphocyte activation mediated by oligodeoxynucleotides or DNA containing novel un-methylated CpG motifs. American College of Rheumatology 58 th National Scientific Meeting. Minneapolis, Minnesota, October 22, 1994. Abstracts. Arthritis Rheum. 1994 Sep;37(9 Suppl).	
		KRIEG et al., Phosphorothioate oligodeoxynucleotides: antisense or anti-protein? Antisense Res Dev. 1995 Winter;5(4):241.	
	*	KRIEG, CpG DNA: a pathogenic factor in systemic lupus erythematosus? J Clin Immunol. 1995 Nov;15(6):284-92.	
	*	KRIEG et al., Modification of antisense phosphodiester oligodeoxynucleotides by a 5' cholesteryl moiety increases cellular association and improves efficacy. Proc Natl Acad Sci U S A. 1993 Feb 1;90(3):1048-52.	
	*	KRIEG, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. J Lab Clin Med. 1996 Aug;128(2):128-33.	
	*	KRIEG et al., Bacterial DNA or oligonucleotides containing CpG motifs protect mice from lethal L. monocytogenes challenge. 1996 Meeting on Molecular Approaches to the Control of Infectious Diseases. Cold Spring Harbor Laboratory, September 9-13, 1996: 116.	
	*	KRIEG et al., Infection. In McGraw Hill Book. 1996: 242-3.	
	*	KRIEG et al., Lymphocyte activation by CpG dinucleotide motifs in prokaryotic DNA. Trends Microbiol. 1996 Feb;4(2):73-6.	
	*	KURAMOTO et al., Changes of host cell infiltration into Meth A fibrosarcoma tumor during the course of regression induced by injections of a BCG nucleic acid fraction. Int J Immunopharmacol. 1992 Jul;14(5):773-82.	
	*	KURAMOTO et al., In situ infiltration of natural killer-like cells induced by intradermal injection of the nucleic acid fraction from BCG. Microbiol Immunol. 1989;33(11):929-40.	
		LEDERMAN et al., Polydeoxyguanine motifs in a 12-mer phosphorothioate oligodeoxynucleotide augment binding to the v3 loop of HIV-1 gp120 and potency of HIV-1 inhibition independency of G-tetrad formation. Antisense Nucleic Acid Drug Dev. 1996 Winter;6(4):281-9.	
		LEE et al., An oligonucleotide blocks interferon-gamma signal transduction. Transplantation. 1996 Nov 15;62(9):1297-301.	
		LEIBSON et al., Role of gamma-interferon in antibody-producing responses. Nature. 1984 Jun 28-Jul 4;309(5971):799-801.	
		LEONARD et al., Conformation of guanine-8-oxoadenine base pairs in the crystal structure of d(CGCGAATT(O8A)GCG). Biochemistry. 1992 Sep 15;31(36):8415-20.	
	•	LETSINGER et al., Synthesis and properties of modified oligonucleotides. Nucleic Acids Symp Ser. 1991;(24):75-8.	
V	*	LITZINGER et al., Fate of cationic liposomes and their complex with oligonucleotide in vivo. Biochim Biophys Acta. 1996 Jun 11;1281(2):139-49.	

EXAMINER:	DATE CONSIDERED:
/Nina Archie/	12/21/2007

EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, nelude copy of this form with next communication to Applicant.

FORM PTO	440/A and D	(madified D	TO/SB/08)	APPLICATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07	
FORM PTO-I		•		FILING DATE: February 26, 2004 CONFIRMATION NO.: 9688		
		N DISCLO BY APPL		APPLICANT: Krieg et al.		
				GROUP ART UNIT: 1645	EXAMINER: Nina Archie	
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EXAMINER: DATE CONSIDERED:

/Nina Archie/ 12/21/2007

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CODA PTO	144044	/ PE. 10	TO (CD (08)	APPLICATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07	
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	MATION EMENT B			APPLICANT: Krieg et al.		
				GROUP ART UNIT: 1645	EXAMINER: Nina Archie	
Sheet	10 of 13		13	OROGI AIRT GIAIT. 1045	DATE WILLIAM TO THE STATE OF TH	

/ \ 1 \ /	T	SANDS et al., Biodistribution and metabolism of internally 3H-labeled oligonucleotides. I.	
/NA/	*	Comparison of a phosphodiester and a phosphorothioate. Mol Pharmacol. 1994 May;45(5):932-43.	
	 	SARMIENTO et al., In vivo toxicological effects of rel A antisense phosphorothioates in CD-1	
1		mice. Antisense Res Dev. 1994 Summer;4(2):99-107.	
	 	SJOLANDER et al., Kinetics, localization and isotype profile of antibody responses to immune	
		stimulating complexes (iscoms) containing human influenza virus envelope glycoproteins. Scand J	
		Immunol. 1996 Feb;43(2):164-72.	
-	 	SONEHARA et al., Hexamer palindromic oligonucleotides with 5'-CG-3' motif(s) induce	
i	*	production of interferon. J Interferon Cytokine Res. 1996 Oct;16(10):799-803.	
	 	STEIN et al., Problems in interpretation of data derived from in vitro and in vivo use of antisense	
	*	oligodeoxynucleotides. Antisense Res Dev. 1994 Summer;4(2):67-9.	
	 	STEIN et al., Physicochemical properties of phosphorothioate oligodeoxynucleotides. Nucleic	
İ	*	STEIN et al., Physicochemical properties of phosphorothioate offgodeoxyfidefeorides. Nucleic	
		Acids Res. 1988 Apr 25;16(8):3209-21.	
		STEIN et al., Non-antisense effects of oligodeoxynucleotides. Antisense Technology. 1997; ch11:	
	<u> </u>	241-64.	
		STIRCHAK et al., Uncharged stereoregular nucleic acid analogs: 2. Morpholino nucleoside	
	*	oligomers with carbamate internucleoside linkages. Nucleic Acids Res. 1989 Aug 11;17(15):6129-	
	ļ	41.	
	1	TARKÖY et al., Nucleic-Acid Analogues with Constraint Conformational Flexibility in the Sugar-	
	*	Phosphate Backbone ('Bicyclo-DNA'). Part 1. Preparation of (3S,5'R)-2'-Deoxy-3',5'-ethano-αβ-	
	<u> </u>	D-ribonucleosides ('Bicyclonucleosides'). Helv Chim Acta. 1993 Feb 10;76(1): 481-510.	
		VANDENDRIESSCHE et al., Acyclic oligonucleotides: possibilities and limitations. Tetrahedron.	
	ļ	1993 Aug 13;49(33): 7223-38.	
		VLASSOV et al., In Vivo pharmocokinetics of oligonucleotides following administration by	
	ľ	different routes. CRC Press, Inc. Chapter 5. 1995: 71-83.	
		WHITESELL et al., Stability, clearance, and disposition of intraventricularly administered	
	*	oligodeoxynucleotides: implications for therapeutic application within the central nervous system.	
		Proc Natl Acad Sci U S A. 1993 May 15;90(10):4665-9.	
	1.	YAMAMOTO, Cytokine production inducing action of oligo DNA. Rinsho Meneki. 1997; 29(9):	Yes
		1178-84. Japanese.	103
		YI et al., Rapid immune activation by CpG motifs in bacterial DNA. Systemic induction of IL-6	
	*	transcription through an antioxidant-sensitive pathway. J Immunol. 1996 Dec 15;157(12):5394-402.	
	-	YI et al., IFN-gamma promotes IL-6 and IgM secretion in response to CpG motifs in bacterial DNA	
	*	and oligodeoxynucleotides. J Immunol. 1996 Jan 15;156(2):558-64.	ł
	+	and ongodeoxynucleotides. J infinition. 1990 Jan 19,190(2):390-04.	
- 1	*	ZHAO et al., Effect of different chemically modified oligodeoxynucleotides on immune stimulation.	
		Biochem Pharmacol. 1996 Jan 26;51(2):173-82.	
		Patent Interference No. 105,171. Iowa Preliminary Motion 3 (for judgment based on failure to	
		comply with 35 U.S.C. 135(b)). (Electronically filed, unsigned). June 7, 2004.	
		Patent Interference No. 105,171. Iowa Preliminary Motion 4 (for judgment of no interference in	>
		fact). (Electronically filed, unsigned). June 7, 2004.	
		Patent Interference No. 105,171. Iowa Preliminary Motion 5 (for judgment based on lack of	
		enablement). (Electronically filed, unsigned). June 7, 2004.	
\//		Patent Interference No. 105,171. Iowa Preliminary Motion 6 (for judgment based on lack of	
¥	1	adequate written description). (Electronically filed, unsigned). June 7, 2004.	<u></u>

EXAMINER:	DATE CONSIDERED:
/Nina Archie/	12/21/2007

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FORM PTO-		•	•	FILING DATE: February 26, 2004 CONFIRMATION NO.: 9688			
	MATION CMENT B			APPLICANT: Krieg et al.			
				GROUP ART UNIT: 1645	EXAMINER: Nina Archie		
Sheet	11	of	13	0.000			

/NA/	*	Patent Interference No. 105,171. Iowa Preliminary Motion 7 (motion to redefine interference to designate claims as not corresponding to the Count). (Electronically filed, unsigned). June 7, 2004.	
	 	Patent Interference No. 105,171. Iowa Preliminary Motion 8 (contingent motion to redefine the	
1 .	*	Count). (Electronically filed, unsigned). June 7, 2004.	
		Patent Interference No. 105,171. Iowa Preliminary Motion 9 (motion for benefit of earlier	
		application). (Electronically filed, unsigned). June 7, 2004. Patent Interference No. 105,171. Iowa Preliminary Motion 10 (contingent motion to redefine the	
- 1		Patent Interference No. 105,171. Iowa Preliminary Motion 10 (contingent motion to redefine the	
	ļ	interference by adding a continuation application). (Electronically filed, unsigned). July 2, 2004.	
		Patent Interference No. 105,171. Regents of the University of California Opposition 3 (to Iowa	
	<u> </u>	Preliminary Motion 3 for judgment under 35 USC 135(b)). September 9, 2004.	
i		Patent Interference No. 105,171. Regents of the University of California Opposition 4 (to Iowa	
		Preliminary Motion 4 for judgment of no interference in fact). September 9, 2004.	
		Patent Interference No. 105,171. Regents of the University of California Opposition 5 (to Iowa	
	<u> </u>	Preliminary Motion 5 for judgment that UC's claim is not enabled). September 9, 2004.	
		Patent Interference No. 105,171. Regents of the University of California Opposition 6 (to Iowa	
	*	Preliminary Motion 6 for judgment based on lack of adequate written description). September 9,	
		2004.	
		Patent Interference No. 105,171. Regents of the University of California Opposition 7 (to lowa	
	Ť	Preliminary Motion 7 to redefine the interference). September 9, 2004.	
		Patent Interference No. 105,171. Regents of the University of California Opposition 8 (to Iowa	
	,	Preliminary Motion 8 to redefine the Count). September 9, 2004.	
	1.	Patent Interference No. 105,171. Regents of the University of California Response 9 (to Iowa	
	*	Contingent Motion 9 for benefit). September 9, 2004.	
-	1.	Patent Interference No. 105,171. Regents of the University of California Opposition 10 (to Iowa	
	*	Contingent Motion 10 to redefine the interference). September 9, 2004.	
1	1	Patent Interference No. 105,171. Regents of the University of California Opposition 11 (to Iowa	
	*	Contingent Motion 11 to suppress). October 15, 2004.	
	 	Patent Interference No. 105,171. Iowa Reply 3 (in support of Iowa Preliminary Motion 3 for	
	*	judgment under 35 U.S.C. §135(b)) (Electronically filed, unsigned). October 15, 2004.	
	 	Patent Interference No. 105,171. Iowa Reply 4 (in support of Iowa Preliminary Motion for judgment	
	*	of no interference in fact) (Electronically filed, unsigned). October 15, 2004.	
	 	Patent Interference No. 105,171. Iowa Reply 5 (in support of Iowa Preliminary Motion 5 for	
	* .	judgment that UC's claim 205 is not enabled) (Electronically filed, unsigned). October 15, 2004.	
	 	Patent Interference No. 105,171. Iowa Reply 6 (in support of Iowa Preliminary Motion 6 for	
	l .	judgment based on lack of adequate written description) (Electronically filed, unsigned). October	
		15, 2004.	
	 	Patent Interference No. 105,171. Iowa Reply 7 (in support of Iowa Preliminary Motion 7 to redefine	
		the interference) (Electronically filed, unsigned). October 15, 2004.	
	+	Patent Interference No. 105,171. Iowa Reply 8 (in support of Iowa Preliminary Motion 8 to redefine	
		the count) (Electronically filed, unsigned). October 15, 2004.	
-	+	Describing Circumstany fried, unsigned). October 13, 2004.	
		Patent Interference No. 105,171. Iowa Reply 10 (in support of Iowa Preliminary Motion 10 to	
, , -	-	redefine the interference) (Electronically filed, unsigned). October 15, 2004.	
		Patent Interference No. 105,171. Iowa Reply 11 (in support of Iowa Miscellaneous Motion to suppress). (Electronically filed, unsigned). October 18, 2004.	

EXAMINER:	DATE CONSIDERED:
/Nina Archie/	12/21/2007

¹ EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM DTC)-1449/A and B (r	nodified !	DT()/SD/08)	APPLICATION NO.: 10/789,353	ATTY. DOCKET NO.: C1039.70083US07		
				FILING DATE: February 26, 2004 CONFIRMATION NO.: 9688			
	RMATION I EMENT BY			APPLICANT: Krieg et al.			
				GROUP ART UNIT: 1645	EXAMINER: Nina Archie		
Sheet	12	of	13 .	GROOT 7117 - 1043			

/NA/	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Statement. June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 1 (to designate additional claims of Iowa patent as corresponding to the Count). June 7, 2004.	
	•	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 2 (for judgment based on lack of written description support and introducing new matter). June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 3 (for judgment based on anticipation). June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 4 (for judgment based on obviousness). June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 5 (for judgment based on anticipation). June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Preliminary Motion 6 (for judgment based on inequitable conduct). June 7, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Contingent Preliminary Motion 7 (for benefit of an earlier application under 37 CFR 1.633(j)). July 2, 2004.	
	*	Patent Interference No. 105,171. Regents of the University of California Contingent Preliminary Motion 8 (to add additional claims under 37 CFR 1.633(c)(2) and (i)). July 2, 2004.	···
	*	Amended Claims for Application Number 09/265,191, filed March 10, 1999.	
	*	Patent Interference No. 105,171. Iowa Opposition 1 (opposition to motion to designate additional claims as corresponding to the Count) (Electronically filed, unsigned). September 9, 2004.	
	*	Patent Interference No. 105,171. Iowa Opposition 2 (opposition to motion for judgment based on lack of written description support and introducing new matter) (Electronically filed, unsigned). September 9, 2004.	
	+	Patent Interference No. 105,171. Iowa Opposition 3 (opposition to motion for judgment based on anticipation) (Electronically filed, unsigned). September 9, 2004.	
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	*	Patent Interference No. 105,171. Regents of the University of California Reply 1 (to Iowa's opposition to UC's motion to designate Iowa claims as corresponding to the Count). October 15, 2004.	
	+	Patent Interference No. 105,171. Regents of the University of California Reply 2 (to Iowa's opposition to UC Preliminary Motion 2 for Judgment). October 15, 2004.	
V	*	Patent Interference No. 105,171. Regents of the University of California Reply 3 (to Iowa's Opposition to UC Preliminary Motion 3 for Judgment). October 15, 2004.	

EXAMINER:	 DATE CONSIDERED:
/Nina Archie/	12/21/2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 13 of 13 Patent Interference No. 105,171. Regents of the University of California Reply 4 (to Iowa's Opposition to UC Preliminary Motion 4 for Judgment). October 15, 2004. Patent Interference No. 105,171. Regents of the University of California Reply 5 (to Iowa's Opposition to UC Preliminary Motion 5 for Judgment). October 15, 2004. Patent Interference No. 105,171. Regents of the University of California Reply 6 (to Iowa's Opposition to UC Preliminary Motion 6 for judgment). October 15, 2004. Patent Interference No. 105,171. Regents of the University of California Reply 7 (to Iowa's Opposition to UC Preliminary Motion 6 for judgment). October 15, 2004. Patent Interference No. 105,171. Regents of the University of California Reply 7 (to Iowa's Opposition to UC Preliminary Motion 7 for Benefit). October 15, 2004. Patent Interference No. 105,171. Regents of the University of California Reply 8 (to Iowa's Opposition to UC Preliminary Motion 8 to add additional claims). October 15, 2004. Patent Interference No. 105,171. Decision on Motion under 37 CFR §41.125. March 10, 2005. Patent Interference No. 105,171. University of Iowa and Coley Pharmaceutical Group, Inc. Brief of Appellant. July 5, 2005. Patent Interference No. 105,171. University of Iowa and Coley Pharmaceutical Group, Inc. Brief of Appelless. August 17, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California Reply September 6, 2005. Patent Interference No. 105,171. Regents of the University of Calif	
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* Patent Interference No. 105,171. Judgment and Order. March 10, 2005. Patent Interference No. 105,171. Regents of the University of California. Brief of Appellant. July 5, 2005. Patent Interference No. 105,171. University of Iowa and Coley Pharmaceutical Group, Inc. Brief of Appellees. August 17, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Decision of CAFC. July 17, 2006. Patent Interference No. 105,171. Regents of the University of California. Decision of CAFC. July 17, 2006. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Br	
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Appellees. August 17, 2005. Patent Interference No. 105,171. Regents of the University of California. Reply Brief of Appellant. September 6, 2005. Patent Interference No. 105,171. Regents of the University of California. Decision of CAFC. July 17, 2006. Popy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications). Popy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications). Popy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications). Popy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications, or 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications, or 10/690,495, filed October 21, 2003 in for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications, or 10/690,495, filed October 21, 2003 in for an earlier applications, or 10/690,495, filed October 21, 2003 in for an earlier application in the USPTO's Image File Wrapper (IFV included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information lived as requ	
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copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/690,495, filed October 21, 2003 on for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications). OTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFV included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information livided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application that complies with 37 CFR §1.98, and 2) the earlier application that complies with 37 CFR §1.98, and 2) the earlier application that complies with 37 CFR §1.98, and 2) the earlier application that complies with 37 CFR §1.98, and 2) the earlier applications.	
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XAMINER: DATE CONSIDERED:	

12/21/2007

/Nina Archie/

EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Attorney Docket No. C1039.70083US07 Express Mail Label No. EV 292460244 US Date of Deposit: February 26, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Arthur M. Krieg et al.

Serial No:

Not yet assigned

Confirmation No:

Filed:

Herewith

For:

IMMUNOMODULATORY OLIGONUCLEOTIDES

Examiner:

Not yet assigned

Art Unit:

Not yet assigned

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

771612.1

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application (copies enclosed with parent patent applications US Serial No.: 10/690,495, 09/415,142 or 08/386,063 except 10/690,495, a copy of which is enclosed herewith, C1039-70083US01 through 70083US07, are identical to the parent and therefore copies are not enclosed):

Docket Number	Serial Number	Filing Date	Inventor(s)
C1037.70013US00	09/776,479	2/2/01	Bratzler et al.
C1037.70016US00	09/009,634	1/20/98	Hutcherson et al.
C1037.70021US00	09/949,194	9/7/01	Peterson et al.
C1037.70025US00	10/017,995	12/14/01	Bratzler
C1037.70038US01	10/735,592	12/11/03	Krieg et al.
C1037.70041US00	10/613,749	7/3/03	Krieg
C1037.70042US00	10/613,524	7/3/03	Krieg
C1037.70043US00	10/613,739	7/3/03	Krieg
C1037.70044US00	10/613,716	7/3/03	Krieg
C1037.70045US00	10/613,228	7/3/03	Krieg
C1037.70046US00	10/455,247	6/5/03	Krieg
C1037.70048US00	10/644,052	8/19/03	Krieg et al.
C1037.70049US00	10/643,141	8/18/03	Hutcherson et al.
C1037.70051US00	10/666,733	9/19/03	Bratzler et al.
C1037.70052US00	10/668,050	9/22/03	Bratzler et al.
C1039.70020US00	09/337,584	6/21/99	Krieg et al.
C1039.70022US00	09/337,893	6/21/99	Krieg
C1039.70021US01	10/719,493	11/21/03	Krieg et al.
C1039.70035US00	09/669,187	09/25/00	Krieg et al.
C1039.70036US00	09/559,140	4/27/00	Noll et al.
C1039.70041US00	09/655,319	9/5/00	Krieg et al.
C1039.70042US00	09/630,319	7/31/00	Krieg et al.
C1039.70043US00	09/629,477	7/31/00	Krieg et al.
C1039.70044US00	09/672,126	9/27/00	Hartmann et al.
C1039.70048US00	09/818,918	3/27/01	Krieg et al.
C1039.70048US01	10/769,282	1/30/04	Krieg et al.
C1039.70049US00	09/824,468	04/02/01	Krieg et al.
C1039.70052US00	09/888,326	6/22/01	Weiner et al.
C1039.70057US00	09/965,101	9/26/01	Davis et al.
C1039.70058US00	10/023,909	12/18/01	Davis et al.

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Docket Number	Serial Number	Filing Date	Inventor(s)
C1039.70060US00	10/112,653	3/29/02	Krieg et al.
C1039.70061US00	10/161,229	6/3/02	Krieg et al.
C1039.70062US00	10/187,489	7/2/02	Krieg et al.
C1039.70063US00	10/224,523	8/19/02	Krieg et al.
C1039.70065US00	10/272,502	10/15/02	Krieg et al.
C1039.70067US00	10/300,247	11/20/02	Davis et al.
C1039.70068US00	10/306,522	11/27/02	Krieg et al.
C1039.70069US00	10/314,578	12/9/02	Krieg et al.
C1039.70070US00	10/382,822	3/6/03	Krieg et al.
C1039.70071US00	10/435,656	5/9/03	Krieg et al
C1039.70072US00	10/434,696	5/9/03	Davis et al.
C1039.70073US00	10/743,625	12/22/03	Krieg et al.
C1039.70075US00	10/613,916	7/3/03	Krieg et al
C1039.70077US00	10/619,279	7/14/03	Krieg
C1039.70078US00	10/627,331	7/25/03	Krieg et al.
C1039.70079US00	10/627,413	7/25/03	Krieg et al.
C1039.70082US00	10/631,676	7/30/03	Krieg et al.
C1039.70083US00	10/690,495	10/21/03	Krieg et al.
C1039.70083US01	10/769,626	1/30/04	Krieg et al.
C1039.70083US02-07	TBD	Herewith	Krieg et al.
C1039.70084US00	10/649,584	8/25/03	Krieg et al.
C1040.70006US00	09/316,199	5/21/99	McCluskie et al.
C1040.70010US00	09/768,012	1/22/01	Davis et al.
C1041.70002US00	09/241,653	2/2/99	Wagner et al.
C1041.70005US00	09/355,254	7/23/99	Wagner et al.
C1041.70010US00	09/786,436	9/3/99	Wagner et al.
C1041.70016US00	09/954,987	9/17/01	Bauer et al.
C1041.70019US00	10/140,013	5/6/02	Schetter et al.
C1041.70029US00	10/212,133	8/1/02	Lipford et al.
C1041.70031US00	10/265,072	10/5/02	Lipford
C1041.70035US00	10/373,381	2/24/03	Wagner et al.
C1041.70037US00	10/407,952	4/4/03	Lipford et al.
C1041.70040US00	10/666,844	9/19/03	Lipford et al.

Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

771980

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted, Arthur M. Krieg et al., Applicant

Rv

Helen C. Lockhart, Ph.D., Reg. No. 39,248

Wolf, Greenfield & Sacks, P.C.

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Boston, Massachusetts 02210-2211

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Docket No. C1039.70083US07

Date: February 1, 2004

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FORM PTC	FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10789353		ATTY. DOCKET NO.: C1039.70083US07	
INFORMATION DISCLOSURE		FILING DATE:	Herewith	CONFIRMATION NO.:		
STATEMENT BY APPLICANT		APPLICANT:	APPLICANT: Arthur M. Krieg et al.			
Sheet	1	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document	
Initials	No.	Number	Kind Code	Document	MM-DD-YYYY	
/NA/	•	2,215,233		Ruskin	09-17-1940	
	*	3,911,117		Ender	10-07-1975	
	*_	3,914,450		Robbins et al.	10-21-1975	
	•	4,544,559		Gil et al.	10-01-1985	
	•	4,741,914		Kimizuka et al.	05-03-1988	
	•	4,758,553		Ogoshi	07-19-1988	
	*	4,806,376		Saeki et al.	02-21-1989	
	*	4,963,387		Nakagawa et al.	10-16-1990	
	•	4,956,296		Fahnestock	09-11-1990	
	*	4,994,442		Gil et al	02-19-1991	
	*	5,066,500		Gil et al.	11-19-1991	
	•	5,231,085		Alexander et al.	07-27-1993	
		5,234,811		Beutler et al.	08-10-1993	
	*	5,268,365		Rudolph et al.	12-07-1993	
	•	5,288,509 5,488,039		Potman et al. Masor et al.	02-22-1994	
	•				01-30-1996	
	•	5,492,899		Masor et al.	02-20-1996	
	*	5,585,479		Hoke et al.	12-17-1996	
	•	5,591,721		Agrawal et al.	01-07-1997	
	•	5,602,109		Masor et al.	02-11-1997	
	*	5,612,060		Alexander	03-18-1997	
	•	5,650,156		Grinstaff et al. 07-22	07-22-1997	
	•	5,663,153		Hutcherson et al.	09-02-1997	
	• :	5,679,647		Carson et al.	10-21-1997	
	•	5,684,147		Agrawal et al	11-04-1997	
		5,700,590	,	Masor et al.	12-23-19*97	
	•	5,712,256		Kulkami et al.	01-27-1998	
	•	5,723,335		Hutcherson et al.	03-03-1998	
	*	5,756,353		Debs	05-26-1998	
	•	5,786,189		Locht et al.	. 07-28-1998	
	•	5,840,705		Tsukuda	11-24-1998	
	•	5,895,652		Giampapa	04-20-1999	
	•	5,922,766		Acosta et al.	07-13-1999	
	•	5,929,226		Padmapriya	07-27-1999	
	•	5,976,580		Ivey et al.	11-02-1999	
$\overline{\mathbf{V}}$	*	5,980,958		Naylor et al	11-09-1999	

FORM PTO-1449/A and B (Modified)		APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07		
INFORMATION DISCLOSURE		FILING DATE:	Herewith	CONFIRMATION NO.:		
STATEMENT BY APPLICANT		APPLICANT: Arthur M. Krieg et al.				
Cl		1 06	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned
Sheet	4	of	′	1		

Examiner's	Cite	U.S. Patent Docur		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY	
Initials	No.	Number	Kind Code	Document		
/NA/	/NA/ • 6,004,534			Langer et al.	12-21-1999	
1	*	6,022,853		Kuberasampath et al.	02-08-2000	
	*	6,031,086		Switzer	02-29-2000	
	•	6,191,257		Ledley et al.	02-20-2001	
	*	6,194,388	BI	Krieg et al.	02-27-2001	
	*	6,207,646	ВІ	Krieg et al.	03-27-2001	
	•	6,214,806	B1	Krieg et al	04-10-2001	
	٠	6,218,371	B1	Krieg et al.	04-17-2001	
	•	6,225,292	B1	Raz et al.	05-01-2001	
	•	6,239,116	Bl	Krieg et al.	05-29-2001	
	٠	6,248,720		Mathiowitz et al.	06-19-2001	
	•	6,339,068	Bl	Krieg et al.	01-15-2002	
	•	6,406,705	Bl	Davis et al.	06-18-2002	
	•	6,429,199 B1		Krieg et al.	08-06-2002	
		6,498,147 6,498,148 B1		Nerenberg et al. Raz	12-24-2002	
					12-24-2002	
	•	6,503,533 6,514,948 B1			01-07-2003	
	•				02/04/2003	
	•	6,534,062	B2	Krieg, et al.	03/18/2003	
	•	6,552,006	B2	Raz et al.	04/22/2003	
	•	6,562,798	B1	Schwartz	05/13/2003	
	•	6,589,940	B1	Raz et al.	07/08/2003	
	*	6,610,661	Bl	Carson et al.	08/26/2003	
	•	6,653,292	BI	Krieg et al.	11/25/2003	
	*	US 2001/0046967	Al	Van Nest	11/29/2001	
	•	US 2002/0028784	Al	Van Nest	03/07/2002	
	•	US 2002/0055477	Al	Nest	05/09/2002	
	•	US 2002/0098199	Al	Nest et al.	07/25/2002	
	•	US 2002/0107212	.A1	Van Nest et al.	08/08/2002	
	•	US 2002/0142978	Al	Van Nest et al.	10/03/2002	
	•	US 2002/0156033	A1	Raz et al.	10/24/2002	
	•	US 2003/0022852	Al	Van Nest et al.	01/30/2003	
	•	US 2003/0049266	A1	Bratzler et al.	03/13/2003	
	•	US 2003/0050263	A1	Fearon et al.	03/13/2003	
$ \Psi$	•	US 2003/0059773	A1	Van Nest et al.	03/27/2003	

FORM PTO-1449/A and B (Modified)		APPLICATION NO	:	ATTY. DOCKET NO.: C1039.70083US07		
INFORMATION DISCLOSURE		FILING DATE:	Herewith	CONFIRMATION NO.:		
STATEMENT BY APPLICANT		APPLICANT: Arthur M. Krieg et al.				
				GROUP ART UNIT	: Not yet assigned	EXAMINER: Not yet assigned
Sheet	3	of	7			, ,

U.S. PA	TENT	DOCU	MENTS
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Examiner's	Cite	U.S. Patent Docu	ment	Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document	
Initials	No.	Number Kin Cod		Document	MM-DD-YYYY	
/NA/	•	US 2003/0078223	Al	Krieg et al.	04/24/2003	
-	•	US 2003/0092663	Al	· Raz et al.	05/15/2003 .	
	•	US 2003/0109469	Al	Raz	06/12/2003	
	•	US 2003/0119773	A1	Carson et al.	06/26/2003	
	•	US 2003/0129251	Al	Raz et al.	07/10/2003	
	•	US 2003/0133988	Al	Van Nest et al.	07/17/2003	
	•	US 2003/0143213	Al	Fearon et al.	07/31/2003	
	•	US 2003/0147870	Al	Raz et al.	08/07/2003	
	•	US 2003/0175731	Al	Raz et al.	09/18/2003	
	•	US 2003/0186921	Al	Rearon et al	10/02/2003	
	*	US 2003/0199466	A1	Fearon et al.	10-23-2003	
	•	US 2003/0212028	A1	Raz et al.	11-13-2003	
	. •	US 2003/0216340	Al	Van Nest et al.	11-20-2003	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite	Foreign Patent Document		ent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N) -
	••	JP	56-008307			01-28-1981	
	**	JP	60-120962		·	06-28-1985	
	**	EPO	0 178 267 A2			04-16-1986	
	••	JP	62-025960			02-03-1987	
	**	JP	62-148428		•	07-02-1987	
	**	JР	224259			10-02-1987	
	**	GB	2 216 416 A			11-10-1989	
	**	PCT	US91/05815			08-14-1991	
	**	PCT	US91/01327			09-05-1991	
	**	EP	0 468 520 A3			01-29-1992	
	••	PCT	0 216 133 B1			07-28-1993	
	••	FR	2692897			12-31-1993	
	• • •	PCT	US94/02471	·		03-07-1994	
	••	EP	0 302 758 B1			03-16-1994	
	••	PCT	WO95/26204			10-1995	
	••	PCT	WO96/02555			02-01-1996	
	••	JP	8051953			02-27-1996	
	**	JP	8187059			07-23-1996	
	**	JP	9019276			01-21-1997	

FORM PTO-1449/A and B (Modified)			APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07		
INFORMATION DISCLOSURE				FILING DATE:	Herewith	CONFIRMATION NO.:	
STATEMENT BY APPLICANT			APPLICANT:	Arthur M. Krieg et a	1.		
Sheet	4	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned	

FOREIGN PATENT DOCUMENTS

		Foreign Patent Document Name of Patentce or Applicant of Cited		Date of			
Examiner's Initials	Cite No.	Offic e/ Cou ntry	Number	Kind Code	Name of Patentee or Applicant of Cited Document (not necessary)	Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
/NA/	**	CN	1141740A			02-05-1997	
	**	PCT	WO97/42975			11-1997	
	**	CN	1169434			01-07-1998	
	**	JP	10108655			04-28-1998	
	**	PCT	WO98/49348			11-05-1998	
	**	CN	1211443			03-24-1999	
	**	PCT	WO99/37151			07-29-1999	
	**	wo	98/16247	Al	Regents of the University of CA	04-23-1998	
	**	wo	99/11275	A2	Regents of the University of CA	03-11-1999	
	**	wo	99/62923	A2	Dynavax Tech. Corp	12/09/1999	
	**	wo	00/20039	Al	Regents of the University of CA	04/13/2000	
	**	wo	00/21556	A1	Dynavax Tech Corp.	04/20/2000	
	**	wo	00/62787	A1	Regents of the University of CA	10/26/2000	
	**	wo	01/02007	Al	The Reagents of the Univ. of California	01-11-2001	
	**	wo	01/12804	A2	Hybridon, Inc.	02-22-2001	
	**	wo	01/12223	A2	Dynavax Tech. Corp.	02-22-2001	
	**	wo	01/55341	A2	The Reagents of the Univ. of California	08-02-2001	
	**	wo	01/68117	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68116	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68078	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68077	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68103	A2	Dynavax Tech. Corp.	09-20-2001	

Exami Initial:		Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		**	Anfossi et al. (P.N.A.S., 86, 9, 3379-83, 89, HCAPLUS, AN 1989:475562)	
		**	Agrawal, et al., "Absorption, Tissue Distribution and In Vivo Stability in Rats of a Hybrid Antisense Oligonucleotide Following Oral Administration" Biochemical Pharmacology (1995) 50:4:571-576	
		**	Agrawal, S, "Antisense Oligonucleotides: Toward Clinical Trials", Tibtech (1996) 14:376-387	
		••	Agrawal, S. and Zhang, R., "Pharmacokinetics and Bioavailability of Antisense Oligonucleotides Following Oral and Colorectal Administration in Experimental Animals" Handb. Exp. Pharmacol. (1998) Vol. 131 Antisense Research and Application pp. 525-543	
	/	••	Agrawal, S. and Zhang, R., "Pharmacokinetics of Oligonucleotides" Ciba Found Symp. (1997) 209:60-78	

FORM PTO-1449/A and B (Modified)			APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07	
	RMATION D			FILING DATE:	Herewith	CONFIRMATION NO.:
STATEMENT BY APPLICANT			APPLICANT:	ANT: Arthur M. Krieg et al.		
Sheet	5	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

Examiner's	Cita	OTHER ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation
Initials	Cite No	(book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	(Y/N)
/NA/	**	Azad, Raana F. et al., "Antiviral Activity of a Phosphorothioate Oligonucleotide Complementary to RNA of the Human Cytomegalovirus Major Immediate-Early Region," Antimicrobial Agents and Chemotherapy, (1993) 37: 1945-1954.	
	**	Azuma, I., "Biochemical and Immunological Studies on Cellular Components of Tubercle Bacilli," Kekkaku (1992) 67(9):45-55.	
	**	Blaxter et al., "Genes expressed in Brugia malayi Infective third stage larvae," Molecular and Biochemical Parasitology, (1996) 77:77-93.	
	***	Bodey et al. "Failure of cancer vaccines: The significant limitation of this approach to immunotherapy" pp. 2665-2676 2000	
	**	Boiarkina, et al., "Dietary supplementa from ground fish meat with DNA for treatment and prophylaxis", Vopr Pitan, (1998); (1):29-31. Abstract	
	**	Branda et al., "Immune Stimulation by an Antisense Oligomer Complementary to the rev gene of HIV-1," Biochemical Pharmacology, (1993) 45(10):2037-2043.	
	**	Chace, et al., "Regulation of Differentiation in CD5* and Conventional B Cells", Clin. Immunol. and Immunopath", 68(3):327-332 (1993)	
	**	Chu, et al., "CpG Oligodeoxynucleotides Act as Adjuvants That Switch on T Helper 1 (Th1) Immunity", J. Exp. Med., (1997) 186(10): 1623-1631	
	**	Crystal, "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," Science, (1995) 270:404-410.	
	***	Curtis, Biology, Second Edition, pages 638-641	
	**	Davis, et al., "CpG DNA is A Potent Enhancer Of Specific Immunity In Mice Immunized With Recombinant Hepatitis B Surface Antigen", J. Immunol, (1998) 160:870-876	
	**	Doerfler, et al., "On the Insertion of Foreign DNA into Mammalian Genomes: Mechanism and Consequences" Gene 157:241-245 (1995)	
	***	Etchart et al. "Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin" pp. 15775761 vol 72, 1998	
	**	Etlinger, "Carrier Sequence Selection - One Key to Successful Vaccines," Immunology Today, (1992) 13(2):52-55	
	••	Fanslow, et al., "Effect of nucleotide restriction and supplementation on resistance to experimental murine candidiasis", J. Parenter Enteral Nutr., (1998) 12(1):49-52 Abstract	
	**	Fox, R.I., "Mechanism of Action of Hydroxychloroquine as an antirheumatic Drug," Chemical Abstracts (1994) 120:15, Abstract No. 182630	
	***	Gilboa Immunotherapy of cnacer with genetically modified tumor vaccines pp. 101-107 1996	
	••	Hedley et al., "Microspheres containing plasmid-encoded antigens elicit cytotocic T-cell responses" pp. 365-368, vol. 4 no. 3 1998	
	***	Hohlweg et al., "On the fate of plant other foreign genes upon th uptake in food or after intramuscular injection in mice" 2001, Mol. Genet Genomics, Vol. 265, pages 225-233	
	***	Jones et al. "Ploly(DdL-lactide-co-glycolide)-encapsulated plasmid DNA elicits sytemic and mucosal antibody responses to encoded protein after oral administration" pp 814-817, vol. 15, no. 8 1997	
	**	Kataoka T, et al., "Antitumor Activity of Synthetic Oligonucleotides with Sequences from cDNA Encoding Proteins of Mycobacterium bovis BCG," Jpn. J. Cancer Res (1992) 83:244-247.	
	**	Kimura Y, et al., "Binding of Oligoguanylate to Scavenger Receptors Is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN," J. Biochem (1994) 116(5):991-994	

FORM PTO-1449/A and B (Modified)				APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
	RMATION I			FILING DATE:	Herewith	CONFIRMATION NO.:
STATEMENT BY APPLICANT			LICANT	APPLICANT: Arthur M. Krieg et al.		
Sheet	6	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

-		OTHER ART — NON PATENT LITERATURE DOCUMENTS	
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s),	Translation (Y/N)
/NA/	••	publisher, city and/or country where published. Krieg, et al., "CpG Motifs in Bacterial DNA Trigger Direct B-cell Activation", Nature, 374:546-549	
	••	(1995) Krieg, et al., "Brief Communication: Oligodeoxynucleotide Modifications Determine the Magnitude of B Cell Stimulation by CpG Motifs", Antisense & Nucleic Acid Drug Delivery Development, 6:133-139 (1996)	
	••	Kuchan, et al., "Nucleotides in Infant Nutrition: Effects on Immune Function" Pediatric Nutrition. Pediatr. Adolesc. Med. Basel. Karger (1998) 8:80-94.	
	**	Kulkami, et al., "Effect of dietary nucleotides on responses to bacterial infections", J. Parenter Enteral. Nutr., (1986) 10(2):169-71 Abstract	
	••	Kuramoto et al., "Oligonucleotide Sequences Required for Natural Killer Cell Activation," <i>Jpn. J. Cancer Res.</i> , (1992) 83:1128-1131.	
	***	Lehninger, Biochemistry, Second Edition	
	••	Mastrangelo et al., "Gene Therapy for Human Cancer: An Essay for Clinicians," Seminars in Oncology (1996) 23(1):4-21.	
	***	McCluskie et al. "Novel strategies using DNA for the induction of mucosal immunity" pp. 303-325 1999	
	**	Messina et al., "The Influence of DNA Structure on the in vitro Stimulation of Murine Lymphocytes by Natural and Synthetic Polynucleotide Antigens," Cellular Immunology (1993) 147:148-157.	
	••	Messina et al., "Stimulation of in vitro Murine Lymphocyte Proliferation by Bacterial DNA," The Journal of Immunology (1991) 147(6):1759-1764.	
	**	Mottram, et al., "a Novel CDC2-Related Protein Kinase From Leishania Mexicana.LmmCRK1. Is Post- Translationally Regulated During the Life Cycle", J. Biol. Chem., 268(28):21044-21052 (1993)	
	***	Perspective pp. 155-156 1999	
	***	Ray et al. "Oral pretreatment of mice with immunostimulatory CpG DNA induces reduced susceptibility to listeria monocytogenes." Vol 15, No. 5, pp. A1007 2001	
ļ	**	Ren jun et al. (Zhonghua Zhong Zazhi, 1994, 16, 4, 247-50, HCAPLUS, AN 1995: 198874)	
	**	Sato et al., "Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization," Science (1996) 273:352-354.	
	••	Schnell et al., "Identification and Characterization of a Saccharomyces Cerevisiae Gene (PARI) Conferring Resistance to Iron Chelators," Eur. J. Biochem. (1991) 200:487-493.	
	••	Shubbert, et al., "Ingested Foreign (phage M13) DNA Survives Transiently in the Gastrointestinal Tract and Enters the Bloodstream of Mice" Mol. Gen. Genet. (1994) 242:495-504	
	**	Stull et al., "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects," Pharmaceutical Research, (1995) 12(4):465-483.	
	••	Tanaka T. et al., "An Antisense Oligonucleotide Complementary to a Sequence in IG2b Germline Transcripts, Stimulates B Cell DNA Synthesis, and Inhibits Immunoglobulin Secretion, J. Exp. Med., (1992) 175:597-607.	
	••	Tokunaga T. et al., "Synthetic Oligonucleotides with Particular Base Sequences from the cDNA Encoding Proteins of Mycobacterium bovis BCG Induce Interferons and Activate Natural Killer Cells," Microbiol. Immunol. (1992) 36(1):55-66.	

FORM PTO)-1449/A and B (M	lodifie	d)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07	
	RMATION E			FILING DATE:	Herewith	CONFIRMATION NO.:	
STAT	EMENT BY	APP	LICANT	APPLICANT: Arthur M. Krieg et al.			
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		OTHER ART — NON PATENT LITERATURE DOCUMENTS	T
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NA/	**	Tokunaga, "A synthetic Single-stranded DNA, Poly(dG,dC), Induces Interferon-alpha/beta and gamma, Augments Natural Killer Activity, and Suppresses Tumor Growth," <i>Jpn. J. Cancer Res.</i> (1988) 79(6):682-686.	
	***	Tortora et al. "Oral antisense that targets protein kinase a cooperates with taxol and inhibits tumor growth, angiogenesis, and growth factor production1" Vol.6, pp. 2506-2512 2000	
	**	Wallace et al., "Oligonucleotide Probes for the Screening of Recombinant DNA Libraries,," Methods in Enzymology, (1987) 152:432-442.	
	••	Whalen R., "DNA Vaccines for Emerging Infectious Disease: What If?," Emerging Infectious Disease, (1996) 2(3):168-175.	
	••	Wu G.Y. et al., "Receptor-mediated Gene Delivery and Expression in vivo," J. Biological Chemistry, (1988) 263:14621-14624.	
	**	Yamamoto S. et al., "DNA from Bacteria, but not from Vertebrates, Induces Interferons, Activates Natural Killer Cells and Inhibits Tumor Growth," <i>Microbiol. Immunol.</i> (1992) 36(9):983-997.	
	••	Yamamoto S. et al., "Mode of Action of Oligonucleotide Fraction Extracted from Mycobacterium bovis BCG," Kekkaku (1994) 69(9):29-32.	
	**	Yamamoto S. et al., "Unique Palindromic Sequences in Synthetic Oligonucleotides Are Required to Induce IFN [correction of INF] and Augment IFN-mediated [correction of INF] Natural Killer Activity," J. Immunol. (1992) 148(12):4072-4076.	
	**	Yamamoto T. et al., "Ability of Oligonucleotides with Certain Palindromes to Induce Interferon Production and Augment Natural Killer Cell Activity is Associated with their Base Length," Antisense Res. And Devel. (1994) 4:119-123.	
	**	Yamamoto T. et al., "Lipofection of Synthetic Oligodeoxyribonucleotide having a Palindromic Sequence of AACGTT to Murine Splenocytes Enhances Interferon Production and Natural Killer Activity," Microbiol. Immunol. (1994) 38(10):831-836.	
	**	Yamamoto T. et al., "Synthetic Oligonucleotides with Certain Palindromes Stimulate Interferon Production of Human Peripheral Blood Lymphocytes in vitro," Jpn. J. Cancer Res. (1994) 85:775-779.	
	**	Yew, et al., "Contribution of Plasmid DNA to Inflammation in the Lung After Administration of Cationic Lipid: pDNA Complexes" Hum Gene Ther. (1999) 20:10(2):223-234 ABSTRACT	
V	***	Yew et al. "Reduced Inflammatory response to plasmid DNA vectors by elimination and inhibition of immunostimulatory CpG motiffs" pp. 255-262 vol. 1, No. 3 2000	

EXAMINER	/Nina Archie/	DATE CONSIDERED 03/10/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered, nelude copy of this form with next communication to applicant.

copies of these patents and patent applications are not enclosed pursuant to the waiver by the USPTO of the requirement under 37 C.F.R. 1.98 (a)(2)(i) for patent applications iled after June 30, 2003.

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in one of the following prior applications, Serial No. 08/386.063, filed 02/07/1995, Serial No. 09/415.142, filed 10/09/99, Serial No. 10/690.495, filed 10/21/03 and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, ontinuation-in-part, and divisional applications).

^{**} a copy of this reference is not provided as it was cited by Examiner in Serial No. <u>09/415,142</u>, filed <u>10/09/99</u>

FORM PTC)-1449/A and B (M	lodifie	d)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
	RMATION D			FILING DATE:	Herewith	CONFIRMATION NO.:
STATEMENT BY APPLICANT			APPLICANT:	Arthur M. Krieg et al.		
Sheet	1	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

Examiner's	Cite	U.S. Patent Doc	ument	Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document MM-DD-YYYY	
Initials	No.	Number	Kind Code	Document		
/NA/	*	2,215,233		Ruskin	09-17-1940	
1	•	3,911,117		Ender	10-07-1975	
	*	3,914,450		Robbins et al.	10-21-1975	
	*	4,544,559		Gil et al.	10-01-1985	
	*	4,741,914		Kimizuka et al.	05-03-1988	
	*	4,758,553		Ogoshi	07-19-1988	
	*	4,806,376		Saeki et al.	02-21-1989	
	*	4,963,387		Nakagawa et al.	10-16-1990	
	*	4,956,296		Fahnestock	09-11-1990	
	*	4,994,442		Gil et al	02-19-1991	
	*	5,066,500		Gil et al.	11-19-1991	
	*	5,231,085		Alexander et al.	07-27-1993	
	*	5,234,811		Beutler et al.	08-10-1993	
	*	5,268,365		Rudolph et al.	12-07-1993	
	*	5,288,509		Potman et al.	02-22-1994	
	*	5,488,039		Masor et al.	01-30-1996	
	*	5,492,899		Masor et al.	02-20-1996	
	*	5,585,479		Hoke et al.	12-17-1996	
		5,591,721		Agrawal et al.	01-07-1997	
	*	5,602,109		Masor et al.	02-11-1997	
	*	5,612,060		Alexander	03-18-1997	
	*	5,650,156		Grinstaff et al.	07-22-1997	
	*	5,663,153		Hutcherson et al.	09-02-1997	
	*	5,679,647		Carson et al.	10-21-1997	
	*	5,684,147		Agrawal et al	11-04-1997	
	*	5,700,590		Masor et al.	12-23-19*97	
	*	5,712,256		Kulkarni et al.	01-27-1998	
	•	5,723,335		Hutcherson et al.	03-03-1998	
		5,756,353		Debs	05-26-1998	
	•	5,786,189		Locht et al.	07-28-1998	
	*	5,840,705		Tsukuda	11-24-1998	
		5,895,652		Giampapa	04-20-1999	
	•	5,922,766		Acosta et al.	07-13-1999	
	*	5,929,226		Padmapriya	07-27-1999	
1/	•	5,976,580		Ivey et al.	11-02-1999	
$\overline{}$	*	5,980,958		Naylor et al	11-09-1999	

FORM PTO-1449/A and B (Modified)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07	
INFORMATION DISCLOSURE	FILING DATE:	Herewith	CONFIRMATION NO.:	
STATEMENT BY APPLICANT	APPLICANT:	Arthur M. Krieg et a	al.	
Sheet 2 of 7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned	

Examiner's	Cite	U.S. Patent Docu		Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document	
Initials	No.	Number Kind Code		Document	MM-DD-YYYY	
/NA/ +		6,004,534		Langer et al.	12-21-1999	
1	*	6,022,853		Kuberasampath et al.	02-08-2000	
	*	6,031,086		Switzer	02-29-2000	
	*	6,191,257		Ledley et al.	02-20-2001	
	*	6,194,388	Bl	Krieg et al.	02-27-2001	
	*	6,207,646	Bl	Krieg et al.	03-27-2001	
	*	6,214,806	B1	Krieg et al	04-10-2001	
	*	6,218,371	Bl	Krieg et al.	04-17-2001	
	*	6,225,292	Bi	Raz et al.	05-01-2001	
	*	6,239,116	Bl	Krieg et al.	05-29-2001	
	*	6,248,720		Mathiowitz et al.	06-19-2001	
	*	6,339,068	Bl	Krieg et al.	01-15-2002	
	*	6,406,705	Bl	Davis et al.	06-18-2002	
	*	6,429,199	Bl	Krieg et al.	08-06-2002	
	*	6,498,147		Nerenberg et al.	12-24-2002	
	*	6,498,148	Bl	Raz	12-24-2002	
	*	6,503,533		Korba	01-07-2003	
	*	6,514,948	Bl	Raz, et atl	02/04/2003	
	*	6,534,062	B2	Krieg, et al.	03/18/2003	
	*	6,552,006	B2	Raz et al.	04/22/2003	
	*	6,562,798	Bl	Schwartz	05/13/2003	
	*	6,589,940	Bl	Raz et al.	07/08/2003	
	*	6,610,661	Bl	Carson et al.	08/26/2003	
	*	6,653,292	Bl	Krieg et al.	11/25/2003	
	*	US 2001/0046967	A1	Van Nest	11/29/2001	
	*	US 2002/0028784	Al	Van Nest	03/07/2002	
	*	US 2002/0055477	Al	Nest	05/09/2002	
	*	US 2002/0098199	A1	Nest et al.	07/25/2002	
	*	US 2002/0107212	Al	Van Nest et al.	08/08/2002	
	*	US 2002/0142978	Al	Van Nest et al.	10/03/2002	
	*	US 2002/0156033	Al	Raz et al.	10/24/2002	
	*	US 2003/0022852	A1	Van Nest et al.	01/30/2003	
	*	US 2003/0049266	Al	Bratzler et al.	03/13/2003	
	•	US 2003/0050263	Al	Fearon et al.	03/13/2003	
$-\Lambda$	*	US 2003/0059773	Al	Van Nest et al.	03/27/2003	

FORM PTO	O-1449/A and B (N	lodifie	d)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
	RMATION I			FILING DATE:	Herewith	CONFIRMATION NO.:
STAT	TEMENT BY	APF	PLICANT	APPLICANT:	Arthur M. Krieg et	al.
Sheet	3	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

Examiner's	Cite	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue of Cited Document
Initials	No.	Number	Kind Code	Document	MM-DD-YYYY
/NA/	*	US 2003/0078223	Al	Krieg et al.	04/24/2003
1	*	US 2003/0092663	Al	Raz et al.	05/15/2003
	*	US 2003/0109469	Al	Raz	06/12/2003
	*	US 2003/0119773	Al	Carson et al.	06/26/2003
	*	US 2003/0129251	Al	Raz et al.	07/10/2003
	*	US 2003/0133988	Al	Van Nest et al.	07/17/2003
	*	US 2003/0143213	Al	Fearon et al.	07/31/2003
	*	US 2003/0147870	Al	Raz et al.	08/07/2003
	*	US 2003/0175731	Al	Raz et al.	09/18/2003
	*	US 2003/0186921	A1	Rearon et al	10/02/2003
	*	US 2003/0199466	Al	Fearon et al.	10-23-2003
	*	US 2003/0212028	Al	Raz et al.	11-13-2003
$-\Lambda$	*	US 2003/0216340	Al	Van Nest et al.	11-20-2003

EODEICN PATENT DOCUMENTS

Examiner's	Cite	Foreign Patent Document			Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N) -
/NA/	**	JP	56-008307			01-28-1981	
ľ	**	JР	60-120962			06-28-1985	
	**	EPO	0 178 267 A2			04-16-1986	
	**	JP	62-025960			02-03-1987	
	**	JР	62-148428			07-02-1987	
	**	JP	224259			10-02-1987	
	**	GB	2 216 416 A			11-10-1989	
	**	PCT	US91/05815			08-14-1991	
	**	PCT	US91/01327			09-05-1991	
	**	EP	0 468 520 A3			01-29-1992	
	**	PCT	0 216 133 B1			07-28-1993	
	**	FR	2692897			12-31-1993	
	**	PCT	US94/02471			03-07-1994	
	**	EP	0 302 758 B1			03-16-1994	
	**	PCT	WO95/26204			10-1995	
	**	PCT	WO96/02555			02-01-1996	
	**	JP	8051953			02-27-1996	
	**	JP	8187059			07-23-1996	
$\overline{\mathbf{V}}$	**	JP	9019276			01-21-1997	

FORM PTC)-1449/A and B (M	lodifie	d)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07	
_	RMATION I			FILING DATE:	Herewith	CONFIRMATION NO.:	
STAT	EMENT BY	APF	PLICANT	APPLICANT:	Arthur M. Krieg et a	al.	
				GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned	
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FOREIGN PATENT DOCUMENTS

		Foreign Patent Document		ment	Name of Detector on Applicant of Cited	Date of	
Examiner's Cite Initials No.		Offic e/ Cou ntry	Number	Kind Code	Name of Patentee or Applicant of Cited Document (not necessary)	Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
/NA/	**	CN	1141740A			02-05-1997	
1	**	PCT	WO97/42975			11-1997	
	**	CN	1169434			01-07-1998	
	**	JP	10108655			04-28-1998	
	**	PCT	WO98/49348			11-05-1998	
	**	CN	1211443			03-24-1999	
	**	PCT	WO99/37151			07-29-1999	
	**	wo	98/16247	A1	Regents of the University of CA	04-23-1998	
	**	wo	99/11275	A2	Regents of the University of CA	03-11-1999	
	**	wo	99/62923	A2	Dynavax Tech. Corp	12/09/1999	
	**	wo	00/20039	Al	Regents of the University of CA	04/13/2000	
	**	wo	00/21556	Al	Dynavax Tech Corp.	04/20/2000	
}	**	wo	00/62787	A1	Regents of the University of CA	10/26/2000	
	**	wo	01/02007	Al	The Reagents of the Univ. of California	01-11-2001	
	**	wo	01/12804	A2	Hybridon, Inc.	02-22-2001	
	**	wo	01/12223	A2	Dynavax Tech. Corp.	02-22-2001	
	**	wo	01/55341	A2	The Reagents of the Univ. of California	08-02-2001	
	**	wo	01/68117	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68116	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68078	A2	Dynavax Tech. Corp.	09-20-2001	
	**	wo	01/68077	A2	Dynavax Tech. Corp.	09-20-2001	<u> </u>
V	**	wo	01/68103	A2	Dynavax Tech. Corp.	09-20-2001	

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation
Initials	No	(book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s),	(Y/N)
<u> </u>		publisher, city and/or country where published.	
/NA/	**	Anfossi et al. (P.N.A.S., 86, 9, 3379-83, 89, HCAPLUS, AN 1989:475562)	
	**	Agrawal, et al., "Absorption, Tissue Distribution and In Vivo Stability in Rats of a Hybrid Antisense Oligonucleotide Following Oral Administration" Biochemical Pharmacology (1995) 50:4:571-576	
	**	Agrawal, S, "Antisense Oligonucleotides: Toward Clinical Trials", Tibtech (1996) 14:376-387	
	**	Agrawal, S. and Zhang, R., "Pharmacokinetics and Bioavailability of Antisense Oligonucleotides Following Oral and Colorectal Administration in Experimental Animals" Handb. Exp. Pharmacol. (1998) Vol. 131 Antisense Research and Application pp. 525-543	
\bigvee	**	Agrawal, S. and Zhang, R., "Pharmacokinetics of Oligonucleotides" Ciba Found Symp. (1997) 209:60-78	

FORM PTO)-1449/A and B (M	odifie	d)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
	RMATION D			FILING DATE:	Herewith	CONFIRMATION NO.:
STAT	EMENT BY	APP	LICANT	APPLICANT:	Arthur M. Krieg et a	al.
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Examiner's	Cite	OTHER ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Translation
nitials	No	(book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	(Y/N)
/NA/	**	Azad, Raana F. et al., "Antiviral Activity of a Phosphorothioate Oligonucleotide Complementary to RNA of the Human Cytomegalovirus Major Immediate-Early Region," <i>Antimicrobial Agents and Chemotherapy</i> , (1993) 37: 1945-1954.	
	**	Azuma, I., "Biochemical and Immunological Studies on Cellular Components of Tubercle Bacilli," Kekkaku (1992) 67(9):45-55.	
	**	Blaxter et al., "Genes expressed in Brugia malayi infective third stage larvae," Molecular and Biochemical Parasitology, (1996) 77:77-93.	
	***	Bodey et al. "Failure of cancer vaccines: The significant limitation of this approach to immunotherapy" pp. 2665-2676 2000	
	**	Boiarkina, et al., "Dietary supplementa from ground fish meat with DNA for treatment and prophylaxis", Vopr Pitan, (1998); (1):29-31. Abstract	
	**	Branda et al., "Immune Stimulation by an Antisense Oligomer Complementary to the rev gene of HIV-1," Biochemical Pharmacology, (1993) 45(10):2037-2043.	
	**	Chace, et al., "Regulation of Differentiation in CD5+ and Conventional B Cells", Clin. Immunol. and Immunopath", 68(3):327-332 (1993)	
	**	Chu, et al., "CpG Oligodeoxynucleotides Act as Adjuvants That Switch on T Helper 1 (Th1) Immunity", J. Exp. Med., (1997) 186(10): 1623-1631	
	**	Crystal, "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," Science, (1995) 270:404-410.	
	***	Curtis, Biology, Second Edition, pages 638-641	
	**	Davis, et al., "CpG DNA Is A Potent Enhancer Of Specific Immunity In Mice Immunized With Recombinant Hepatitis B Surface Antigen", J. Immunol, (1998) 160:870-876	
	**	Doerfler, et al., "On the Insertion of Foreign DNA into Mammalian Genomes: Mechanism and Consequences" Gene 157:241-245 (1995)	
	***	Etchart et al. "Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin" pp. 15775761 vol 72, 1998	
	**	Etlinger, "Carrier Sequence Selection One Key to Successful Vaccines," <i>Immunology Today</i> , (1992) 13(2):52-55	
	**	Fanslow, et al., "Effect of nucleotide restriction and supplementation on resistance to experimental murine candidiasis", J. Parenter Enteral Nutr., (1998) 12(1):49-52 Abstract	
	**	Fox, R.I., "Mechanism of Action of Hydroxychloroquine as an antirheumatic Drug," Chemical Abstracts (1994) 120:15, Abstract No. 182630	
	***	Gilboa Immunotherapy of cnacer with genetically modified tumor vaccines pp. 101-107 1996	
	**	Hedley et al., "Microspheres containing plasmid-encoded antigens elicit cytotocic T-cell responses" pp. 365-368, vol. 4 no. 3 1998	·
	***	Hohlweg et al., "On the fate of plant other foreign genes upon th uptake in food or after intramuscular injection in mice" 2001, Mol. Genet Genomics, Vol. 265, pages 225-233	
	***	Jones et al. "Ploly(DdL-lactide-co-glycolide)-encapsulated plasmid DNA elicits sytemic and mucosal antibody responses to encoded protein after oral administration" pp 814-817, vol. 15, no. 8 1997	
	**	Kataoka T, et al., "Antitumor Activity of Synthetic Oligonucleotides with Sequences from cDNA Encoding Proteins of Mycobacterium bovis BCG," Jpn. J. Cancer Res (1992) 83:244-247.	
	**	Kimura Y, et al., "Binding of Oligoguanylate to Scavenger Receptors Is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN," J. Biochem (1994) 116(5):991-994	

FORM PTO	D-1449/A and B (M	lodified	i)	APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
	RMATION I			FILING DATE:	Herewith	CONFIRMATION NO.:
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Sheet	6	of	7	GROUP ART UNIT:	Not yet assigned	EXAMINER: Not yet assigned

	,	OTHER ART — NON PATENT LITERATURE DOCUMENTS	
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/NA/	**	Krieg, et al., "CpG Motifs in Bacterial DNA Trigger Direct B-cell Activation", Nature, 374:546-549 (1995)	
	**	Krieg, et al., "Brief Communication: Oligodeoxynucleotide Modifications Determine the Magnitude of B Cell Stimulation by CpG Motifs", Antisense & Nucleic Acid Drug Delivery Development, 6:133-139 (1996)	
	**	Kuchan, et al., "Nucleotides in Infant Nutrition: Effects on Immune Function" <i>Pediatric Nutrition. Pediatr. Adolesc. Med. Basel.</i> Karger (1998) 8:80-94.	
	**	Kulkarni, et al., "Effect of dietary nucleotides on responses to bacterial infections", <i>J. Parenter Enteral. Nutr.</i> , (1986) 10(2):169-71 Abstract	
	**	Kuramoto et al., "Oligonucleotide Sequences Required for Natural Killer Cell Activation," <i>Jpn. J. Cancer Res.</i> , (1992) 83:1128-1131.	
	***	Lehninger, Biochemistry, Second Edition	
	**	Mastrangelo et al., "Gene Therapy for Human Cancer: An Essay for Clinicians," Seminars in Oncology (1996) 23(1):4-21.	
	***	McCluskie et al. "Novel strategies using DNA for the induction of mucosal immunity" pp. 303-325 1999	
	**	Messina et al., "The Influence of DNA Structure on the <i>in vitro</i> Stimulation of Murine Lymphocytes by Natural and Synthetic Polynucleotide Antigens," <i>Cellular Immunology</i> (1993) 147:148-157.	
	**	Messina et al., "Stimulation of in vitro Murine Lymphocyte Proliferation by Bacterial DNA," The Journal of Immunology (1991) 147(6):1759-1764.	
	**	Mottram, et al., "a Novel CDC2-Related Protein Kinase From Leishania Mexicana.LmmCRK1. Is Post- Translationally Regulated During the Life Cycle", <i>J. Biol. Chem.</i> , 268(28):21044-21052 (1993)	
	***	Perspective pp. 155-156 1999	1 1
	***	Ray et al. "Oral pretreatment of mice with immunostimulatory CpG DNA induces reduced susceptibility to listeria monocytogenes." Vol 15, No. 5, pp. A1007 2001	
	**	Ren jun et al. (Zhonghua Zhong Zazhi, 1994, 16, 4, 247-50, HCAPLUS, AN 1995: 198874)	
	**	Sato et al., "Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization," Science (1996) 273:352-354.	
	**	Schnell et al., "Identification and Characterization of a Saccharomyces Cerevisiae Gene (PAR1) Conferring Resistance to Iron Chelators," Eur. J. Biochem. (1991) 200:487-493.	
	**	Shubbert, et al., "Ingested Foreign (phage M13) DNA Survives Transiently in the Gastrointestinal Tract and Enters the Bloodstream of Mice" Mol. Gen. Genet. (1994) 242:495-504	
	**	Stull et al., "Antigene, Ribozyme and Aptamer Nucleic Acid Drugs: Progress and Prospects," Pharmaceutical Research, (1995) 12(4):465-483.	
	**	Tanaka T. et al., "An Antisense Oligonucleotide Complementary to a Sequence in IG2b Germline Transcripts, Stimulates B Cell DNA Synthesis, and Inhibits Immunoglobulin Secretion, J. Exp. Med., (1992) 175:597-607.	
V	**	Tokunaga T. et al., "Synthetic Oligonucleotides with Particular Base Sequences from the cDNA Encoding Proteins of Mycobacterium bovis BCG Induce Interferons and Activate Natural Killer Cells," Microbiol. Immunol. (1992) 36(1):55-66.	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 7 of 7				APPLICATION NO.:		ATTY. DOCKET NO.: C1039.70083US07
				FILING DATE:	Herewith	CONFIRMATION NO.:
				APPLICANT:	Arthur M. Krieg et al.	
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OTHER ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item Examiner's Cite Translation (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), Initials No (Y/N)publisher, city and/or country where published. Tokunaga, "A synthetic Single-stranded DNA, Poly(dG,dC), Induces Interferon-alpha/beta and gamma, Augments Natural Killer Activity, and Suppresses Tumor Growth," Jpn. J. Cancer /NA/ Res.(1988) 79(6):682-686. Tortora et al. "Oral antisense that targets protein kinase a cooperates with taxol and inhibits tumor growth, angiogenesis, and growth factor production 1" Vol.6, pp. 2506-2512 2000 Wallace et al., "Oligonucleotide Probes for the Screening of Recombinant DNA Libraries.," Methods in Enzymology, (1987) 152:432-442. Whalen R., "DNA Vaccines for Emerging Infectious Disease: What If?," Emerging Infectious Disease, (1996) 2(3):168-175. Wu G.Y. et al., "Receptor-mediated Gene Delivery and Expression in vivo," J. Biological Chemistry, (1988) 263:14621-14624. Yamamoto S. et al., "DNA from Bacteria, but not from Vertebrates, Induces Interferons, Activates Natural Killer Cells and Inhibits Tumor Growth," Microbiol. Immunol. (1992) 36(9):983-997. Yamamoto S. et al., "Mode of Action of Oligonucleotide Fraction Extracted from Mycobacterium bovis BCG," Kekkaku (1994) 69(9):29-32. Yamamoto S. et al., "Unique Palindromic Sequences in Synthetic Oligonucleotides Are Required to Induce IFN [correction of INF] and Augment IFN-mediated [correction of INF] Natural Killer Activity," J. Immunol. (1992) 148(12):4072-4076. Yamamoto T. et al., "Ability of Oligonucleotides with Certain Palindromes to Induce Interferon Production and Augment Natural Killer Cell Activity is Associated with their Base Length," Antisense Res. And Devel. (1994) 4:119-123. Yamamoto T. et al., "Lipofection of Synthetic Oligodeoxyribonucleotide having a Palindromic Sequence of AACGTT to Murine Splenocytes Enhances Interferon Production and Natural Killer Activity," Microbiol. Immunol. (1994) 38(10):831-836. Yamamoto T. et al., "Synthetic Oligonucleotides with Certain Palindromes Stimulate Interferon Production of Human Peripheral Blood Lymphocytes in vitro," Jpn. J. Cancer Res. (1994) 85:775-Yew, et al., "Contribution of Plasmid DNA to Inflammation in the Lung After Administration of Cationic Lipid: pDNA Complexes" Hum Gene Ther. (1999) 20:10(2):223-234 **ABSTRACT** Yew et al. "Reduced Inflammatory response to plasmid DNA vectors by elimination and inhibition of immunostimulatory CpG motiffs" pp. 255-262 vol. 1, No. 3 2000

EXAMINER /Nina Archie/	DATE CONSIDERED
/Nina Alcille/	12/21/2007

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[•] copies of these patents and patent applications are not enclosed pursuant to the waiver by the USPTO of the requirement under 37 C.F.R. 1.98 (a)(2)(i) for patent applications filed after June 30, 2003.

^{**}a copy of this reference is not provided as it was previously cited by or submitted to the office in one of the following prior applications, Serial No. <u>08/386.063</u>, filed <u>02/07/1995</u>, Serial No. <u>09/415.142</u>, filed <u>10/09/99</u>, Serial No. <u>10/690.495</u>, filed <u>10/21/03</u> and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

^{***} a copy of this reference is not provided as it was cited by Examiner in Serial No. 09/415,142 , filed 10/09/99